| are as stated below next to my name. of the subject matter which is claimed and for which a NSPONDER AND ANTENNA SYSTEM AND |
|--|
| on Serial No. |
| on Serial No If the contents of the above identified specification, |
| red to above. |
| hich is material to patentability as defined in 37 C.F.R. |
| e) of any United States provisional application(s) listed |
| |
| (Filing Date) |
| (Filing Date) of any United States application(s) or §365 of any PCT ted below and, insofar as the subject matter of each of the ed States or PCT International application in the manner owledge the duty to disclose information which is material ne available between the filing date of the prior application plication: |
| (Status)(patented, pending, abandoned) |
| (Status)(patented, pending, abandoned) |
| following attorney(s) and/or agent(s) to prosecute this demark Office connected therewith. istration No. 29,096 istration No. 33,925 istration No. 38,744 istration No. 30,417 istration No. 30,262 istration No. 44,648 e herein of my own knowledge are true and that all be true; and further that these statements were made with made are punishable by fine or imprisonment, or both, and that such willful false statement may jeopardize the |
| me): David Allan Johnson Date: 8/20/03 |
| <u> </u> |
| Citizen of: United States of America |
| numbered sheets attached hereto. |
| DIRECT TELEPHONE CALLS TO: Richard B O'Planick, Patent Attorney (330) 796-5240 |
| |

| As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled COUPLED TRANSPONDER AND ANTENNA SYSTEM AND METHOD the specification of which X is attached hereto. was filed on as Application Serial No and was amended on (if applicable). | | | | |
|---|--|--|--|--|
| and was amended on (if applicable). | | | | |
| I hereby state that I have reviewed and understand | nd the contents of the above identified specification, | | | |
| including the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as amended by any amendment reference in the claims, as a mended by any amendment reference in the claims, as a mended by any amendment reference in the claims. | which is material to patentability as defined in 37 C.F.R. | | | |
| §1.56. | which is material to patentaointy as defined in 37 C.P.R. | | | |
| | (e) of any United States provisional application(s) listed | | | |
| below: | (e)(e) | | | |
| | | | | |
| (Application Serial No.) | (Filing Date) | | | |
| (Application Serial No.) | (Filing Date) | | | |
| International application designating the United States, li claims of this application is not disclosed in the prior Uniprovided by the first paragraph of 35 U.S.C. §112, I ackn | of any United States application(s) or §365 of any PCT sted below and, insofar as the subject matter of each of the ted States or PCT International application in the manner owledge the duty to disclose information which is material me available between the filing date of the prior application opplication: | | | |
| (Application Serial No.) (Filing Date | (Status)(patented, pending, abandoned) | | | |
| (Application Serial No.) (Filing Date | (Status)(patented, pending, abandoned) | | | |
| application and transact all business in the Patent and Tra Richard B O'Planick Rep David L King Rep Nancy T Krawczyk Rep Alvin T Rockhill Rep Bruce J Hendricks Rep John D DeLong Rep I hereby declare that all statements made herein on information and belief are believed to be true; and furthat willful false statements and the like so made are puniton of Title 18 of the United States Code, and that such application or any patent issuing thereon. | gistration No. 29,096 gistration No. 33,925 gistration No. 38,744 gistration No. 30,417 gistration No. 30,262 gistration No. 44,648 of my own knowledge are true and that all statements made ther that these statements were made with the knowledge ishable by fine or imprisonment, or both, under section willful false statement may jeopardize the validity of the | | | |
| Full name of joint named inventor (given name, family not name). Inventor's signature: | | | | |
| | 24 | | | |
| Residence: Thormon, Colorado 80602 U.S.A. | Citizen of: United States of America | | | |
| Post Office Address: 13642 Cook Street, Thornton, Color | rado 80602 U.S.A. | | | |
| Additional inventors are being named on separately | numbered sheets attached hereto. | | | |
| SEND CORRESPONDENCE TO: | DIRECT TELEPHONE CALLS TO: | | | |
| The Goodyear Tire & Rubber Company | | | | |
| Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | Richard B O'Planick, Patent Attorney (330) 796-5240 | | | |
| <u> </u> | | | | |

| method the specification of which X is attached hereto. was filed on and was amended on (if app | and citizenship d joint inventor COUPLED TR as Application | o are as stated be of the subject r RANSPONDER on Serial No | natter which is claimed and for which a AND ANTENNA SYSTEM AND |
|---|---|---|---|
| including the claims, as amended by any ar | mendment refei | rred to above. | |
| I acknowledge the duty to disclose §1.56. | information w | which is material | to patentability as defined in 37 C.F.R. |
| | 5 U.S.C. §119(| e) of any United | d States provisional application(s) listed |
| (Application Serial No.) | | (Filing Date | te) |
| (Application Serial No.) I hereby claim the benefit under 3: International application designating the Unclaims of this application is not disclosed in provided by the first paragraph of 35 U.S.C to patentability as defined in 37 C.F.R. §1.5 and the national or PCT international filing | nited States, lis i the prior Unit J. §112, I ackno 56 which becan | ted below and, i ed States or PC owledge the duty he available bety | tates application(s) or §365 of any PCT nsofar as the subject matter of each of the Γ International application in the manner V to disclose information which is material. |
| (Application Serial No.) | (Filing Date) | (S | tatus)(patented, pending, abandoned) |
| (Application Serial No.) | (Filing Date) | (S | tatus)(patented, pending, abandoned) |
| Richard B O'Planick David L King Nancy T Krawczyk Alvin T Rockhill Bruce J Hendricks John D DeLong | Patent and Trad Regi Regi Regi Regi Regi made herein o true; and furth made are punis | following attorned the stration No. f my own know er that these station hable by fine or | 29,096 33,925 38,744 30,417 30,262 44,648 ledge are true and that all statements made tements were made with the knowledge imprisonment or both under section |
| Full name of joint named inventor (given na Inventor's signature: | C I V | 100 | ephen Pollack ate: Aug 21, 2003 |
| Residence: Boulder, Colorado 80302 U.S.A | 1200 | Citizen of: | |
| Post Office Address: 9055 Thunderhead Dri | | _ | |
| Additional inventors are being named | | | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | | | CT TELEPHONE CALLS TO: lanick, Patent Attorney |
| Page3 OF3 page(s) | | | |

| As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ANNULAR ANTENNA AND TRANSPONDER APPARATUS AND METHOD OF DISPOSITION IN PNEUMATIC TIRES the specification of which X is attached hereto. was filed on as Application Serial No. and was amended on (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification. including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. | | | | | |
|--|--|--|--|--|--|
| I hereby claim the benefit under 35 U.S.C. §1196 below: | (e) of any United States provisional application(s) listed | | | | |
| | | | | | |
| 60/398,308 (Application Serial No.) | July 24, 2002 (Filing Date) | | | | |
| | | | | | |
| (Application Serial No.) I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: | | | | | |
| (Application Serial No.) (Filing Date) | (Status)(patented, pending, abandoned) | | | | |
| (Application Serial No.) (Filing Date) | (Status)(patented, pending, abandoned) | | | | |
| As named inventor(s). I or we hereby appoint the application and transact all business in the Patent and Trace David L King Reg Nancy T Krawczyk Reg Nancy T Krawczyk Reg Alvin T Rockhill Reg Bruce J Hendricks Reg John D DeLong Reg Richard B O'Planick Reg I hereby declare that all statements made herein con information and belief are believed to be true: and furth that willful false statements and the like so made are punis 1001 of Title 18 of the United States Code, and that such vapplication or any patent issuing thereon. | istration No. 33,925 istration No. 38,744 istration No. 30,417 istration No. 30,262 istration No. 44,648 istration No. 29,096 of my own knowledge are true and that all statements made ner that these statements were made with the knowledge shable by fine or imprisonment, or both, under section willful false statement may jeopardize the validity of the | | | | |
| Full name of sole or first inventor (given name, family n | ame): Robert Leon Benedict | | | | |
| Inventor's signature: Robert Leon Ban | adut Date: 12/11/02 | | | | |
| Residence: Tallmadge, Ohio 44278 U.S.A. | Citizen of: A citizen of the United States of America | | | | |
| Post Office Address: 155 Barnes Drive, Tallmadge, Ohio 44278 U.S.A. Additional inventors are being named on separately numbered sheets attached hereto. | | | | | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 Page1 OF6 page(s) | DIRECT TELEPHONE CALLS TO: Richard B O'Planick, Patent Attorney (330) 796-5240 | | | | |

| My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ANNULAR ANTENNA AND TRANSPONDER APPARATUS AND METHOD OF DISPOSITION IN PNEUMATIC TIRES the specification of which is attached hereto was filed on as Application Serial No | | | | | |
|--|--|--|--|--|--|
| and was amended on (if applicable). | | | | | |
| including the claims, as amended by any amendment ref | and the contents of the above identified specification, ferred to above. which is material to patentability as defined in 37 C.F.R. | | | | |
| §1.56. | | | | | |
| I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below: | | | | | |
| 60/398.308 | July 24, 2002 | | | | |
| (Application Serial No.) | (Filing Date) | | | | |
| (Application Serial No.) | (Filing Date) | | | | |
| I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which become between the filing date of the prior application and the national or PCT international filing date of this application: | | | | | |
| (Application Serial No.) (Filing Date | e) (Status)(patented, pending, abandoned) | | | | |
| (Application Serial No.) (Filing Date | e) (Status)(patented, pending, abandoned) | | | | |
| As named inventor(s). I or we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. David L King Registration No. 33.925 Nancy T Krawczyk Registration No. 38.744 Alvin T Rockhill Registration No. 30.417 Bruce J Hendricks Registration No. 30.262 John D DeLong Registration No. 44.648 Richard B O'Planick Registration No. 1 hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. | | | | | |
| Full name of sole or first inventor (given name, family name): Franz Josef Hillenmayer Inventor's signature: | | | | | |
| * * | | | | | |
| | Citizen of: A citizen of Germany | | | | |
| Post Office Address: Gabriele-Muenter-Str. 8, D-93133 Burglengenfeld, Germany | | | | | |
| Additional inventors are being named on separately numbered sheets attached hereto. | | | | | |
| SEND CORRESPONDENCE TO: | DIRECT TELEPHONE CALLS TO: | | | | |
| The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron. Ohio 44316-0001 | Richard B O'Planick, Patent Attorney (330) 796-5240 | | | | |

Page ____ OF ___ 6 ___ page(s)

| My residence, post office address and citizens I believe I am an original, first and joint inver patent is sought on the invention entitled ANNULAR METHOD OF DISPOSITION IN PNEUMATIC T X is attached hereto. was filed on as Applicand was amended on (if applicable). | nip are as stated below next to my name or of the subject matter which is claime ANTENNA AND TRANSPONDER ARES the specification of which | d and for which a |
|---|--|--|
| I hereby state that I have reviewed and unders including the claims, as amended by any amendment re I acknowledge the duty to disclose informatio | ferred to above | |
| §1.56. | | |
| I hereby claim the benefit under 35 U.S.C. §1 below: | 9(e) of any United States provisional ap | plication(s) listed |
| (Application Serial No.) | July 24, 2002 | |
| (Application Senal No.) | (Filing Date) | |
| (Application Serial No.) I hereby claim the benefit under 35 U.S.C. §1: International application designating the United States, claims of this application is not disclosed in the prior U provided by the first paragraph of 35 U.S.C. §112, I act to patentability as defined in 37 C.F.R. §1.56 which becand the national or PCT international filing date of this | isted below and, insofar as the subject in titled States or PCT International applications. In additional applications are informational are available between the filing date of | matter of each of the ation in the manner |
| (Application Serial No.) (Filing Da | e) (Status)(patented, pendi | ing. abandoned) |
| (Application Serial No.) (Filing Da | e) (Status)(patented, pendi | ing, abandoned) |
| As named inventor(s), I or we hereby appoint application and transact all business in the Patent and T David L King R Nancy T Krawczyk R Alvin T Rockhill R Bruce J Hendricks R John D DeLong R Richard B O'Planick R I hereby declare that all statements made herei on information and belief are believed to be true; and futhat willful false statements and the like so made are put 1001 of Title 18 of the United States Code, and that suc application or any patent issuing thereon. | ademark Office connected therewith gistration No. 33,925 gistration No. 38,744 gistration No. 30,417 gistration No. 30,262 gistration No. 44,648 gistration No. 29,096 of my own knowledge are true and that there that these statements were made wishable by fine or imprisonment, or bot willful false statement may jeopardize | t all statements made ith the knowledge h, under section |
| Full name of sole or first inventor (given name, family | | |
| Inventor's signature: Bia- Matthew Los | an Date: Dec 6, | 2002 |
| Residence: Akron, Ohio 44302 U.S.A. | Citizen of: A citizen of the Unit | |
| Post Office Address: 101 Augusta Avenue, Akron, Ohio | | |
| Additional inventors are being named on separate | | |
| SEND CORRESPONDENCE TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 1144 East Market Street Akron, Ohio 44316-0001 | DIRECT TELEPHONE CA Richard B O'Planick, Patent Attorne (330) 796-5240 | |
| Page OF page(s) | | |

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ANNULAR ANTENNA AND TRANSPONDER APPARATUS AND METHOD OF DISPOSITION IN PNEUMATIC TIRES the specification of which is attached hereto. was filed on as Application Serial No. __ (if applicable). and was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below: July 24, 2002 60/398,308 (Filing Date) (Application Serial No.) (Application Serial No.) (Filing Date) I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: (Status)(patented, pending, abandoned) (Filing Date) (Application Serial No.) (Application Serial No.) (Status)(patented, pending, abandoned) (Filing Date) **POWER OF ATTORNEY** As named inventor(s), I or we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. Registration No. 33,925 David L King Nancy T Krawczyk Alvin T Rockhill Registration No. 38,744 Registration No. 30,417 Bruce J Hendricks Registration No. 30,262 John D DeLong Registration No. 44,648 29,096 Richard B O'Planick Registration No. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. Full name of sole or first inventor (given name, family name); Anthony William Parsons Inventor's signature: Combay Villa Fasture. Date: Citizen of: A citizen of Great Britain Residence: L-1527 Luxembourg Post Office Address: 43 Rue de Marechal Foch, L-1527 Luxembourg Additional inventors are being named on separately numbered sheets attached hereto. SEND CORRESPONDENCE TO: DIRECT TELEPHONE CALLS TO: The Goodvear Tire & Rubber Company Richard B O'Planick, Patent Attorney Patent & Trademark Department - D/823 1144 East Market Street (330) 796-5240 Akron, Ohio 44316-0001

Page 4 OF 6 page(s)

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ANNULAR ANTENNA AND TRANSPONDER APPARATUS AND METHOD OF DISPOSITION IN PNEUMATIC TIRES the specification of which is attached hereto. was filed on _ as Application Serial No. and was amended on __ (if applicable). I hereby state that I have reviewed and understand the contents of the above identified specification. including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below: 60/398,308 July 24, 2002 (Application Serial No.) (Filing Date) (Application Serial No.) (Filing Date) I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. \$112. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. \$1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: (Application Serial No.) (Filing Date) (Status)(patented, pending, abandoned) (Application Serial No.) (Filing Date) (Status)(patented, pending, abandoned) **POWER OF ATTORNEY** As named inventor(s). I or we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. David L King Registration No. 33.925 Nancy T Krawczyk Alvin T Rockhill Registration No. 38,744 Registration No. 30,417 Bruce J Hendricks Registration No. 30,262 John D DeLong Registration No. 44,648 Richard B O'Planick Registration No. 29,096 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. Full name of sole or first inventor (given name, family name): Christian Johann Karl Josef Schneider Tenso 1 Date: 14 1/ 2002/11/14.03 Inventor's signature: Residence: 93138 Lappersdorf, Germany _____ Citizen of: A citizen of Germany Post Office Address: Schillerstrasse 25a, 93138 Lappersdorf, Germany Additional inventors are being named on separately numbered sheets attached hereto. SEND CORRESPONDENCE TO: DIRECT TELEPHONE CALLS TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 Richard B O'Planick. Patent Attorney 1144 East Market Street (330) 796-5240 Akron. Ohio 44316-0001 Page $\underline{5}$ OF $\underline{6}$ page(s)

As a below named inventor, I hereby declare that: My residence, post office address and citizenship are as stated below next to my name. I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled ANNULAR ANTENNA AND TRANSPONDER APPARATUS AND METHOD OF DISPOSITION IN PNEUMATIC TIRES the specification of which is attached hereto. was filed on as Application Serial No. (if applicable). and was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56. I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below: 60/398,308 July 24, 2002 (Application Serial No.) (Filing Date) (Application Serial No.) (Filing Date) I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or §365 of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application: (Application Serial No.) (Filing Date) (Status)(patented, pending, abandoned) (Application Serial No.) (Filing Date) (Status)(patented, pending, abandoned) **POWER OF ATTORNEY** As named inventor(s). I or we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. David L King Registration No. 33,925 Nancy T Krawczyk Alvin T Rockhill Registration No. 38,744 Registration No. 30,417 Bruce J Hendricks Registration No. 30,262 John D DeLong Registration No. 44,648 Richard B O'Planick Registration No. 29,096 I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statement may jeopardize the validity of the application or any patent issuing thereon. Full name of sole or first inventor (given name, family name): Gary Edwin Tubb Date: 12 Inventor's signature Residence: Copley, Ohio 44321 U.S.A Citizen of: A citizen of Canada Post Office Address: 387 Pinewood Spur, Copley, Ohio 44321 U.S.A. Additional inventors are being named on separately numbered sheets attached hereto. SEND CORRESPONDENCE TO: DIRECT TELEPHONE CALLS TO: The Goodyear Tire & Rubber Company Patent & Trademark Department - D/823 Richard B O'Planick, Patent Attorney 1144 East Market Street (330) 796-5240 Akron, Ohio 44316-0001

Page 6 OF 6 page(s)